

Warning

All audiences should read the proclamation of using this maintenance instruction manual carefully before view the content of maintenance instruction manual.

APS Paintball Limited



Proclamation of using this maintenance instruction manual

- The term "APS" or "us" or "we" refers to APS Paintball Limited. The term "you" refers to the user of this maintenance instruction manual (known as "manual").
- The manual is a reference and information, which is made for person who has been trained and authorized to handle and repair Real Action Marker (known as "RAM") or its related accessories. For if person who is not trained and authorized to handle and repair RAM or its related accessories, please do not attempt to repair RAM or its related accessories yourself. We do not bear any indemnification, liability and responsibility for the damage or defective of the RAM or serious injury resulted from repairing the RAM without trained and authorization.

Safety precaution

- For everyone authorized person who attempt to repair our RAM and its related accessories, please make sure any protective equipments (especially mask or goggle) at all time while repairing.
- Unless using cylinder tests the pressure of the RAM, the cylinder should not be installed onto the Marker while repairing. It decreases the risk and aim to be safe.



RAM Combat Series

Maintenance Procedure

RAM Combat



Disassembling RAM Combat

Un-install Magazine



Un-install the Cylinder Cover



After un-install the Magazine & Cylinder Cover



Use the tools to take out the Locking Pin



Use the tools to take out the Locking Pin 1 & 2



When take out the Locking Pin, keep watch for Locking Pin 1 is long & 2 is short



Take out the Slide Unit, keep watch for the Slide Release Catch & Spring



Keep watch for Trigger Bar



RAM Combat after disassembling the Slide Unit



Disassembling the Slide Unit



Disassembling the barrel unit

Push the Launching Compartment Unit forward



Take out the Launching Unit



Take out the Launching Compartment Unit



Launching Unit with Recoil Cover



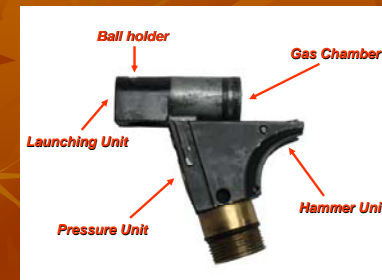
Remove the Recoil Cover



After take out the Recoil Cover



Launching Unit



Repair the Launching Compartment

Gas chamber - In case hearing gas leaking sound from the steel windpipe

Remove the Gas Chamber Unit



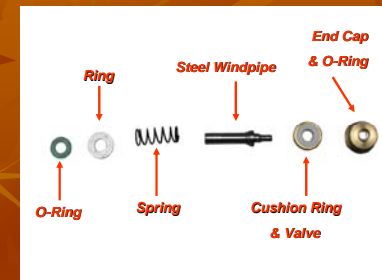
Use the tools to remove the chamber unit



Take out the Gas Chamber Unit



Parts in Gas Chamber Unit



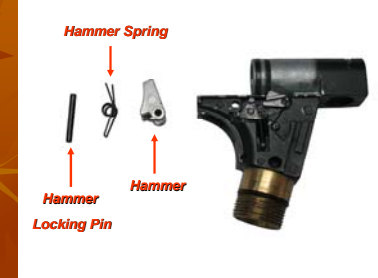
Remove the Hammer Unit



Use tools to remove Hammer Unit



After take out the Hammer Unit



The Launching Unit (Front)



The Launching Unit (Back)



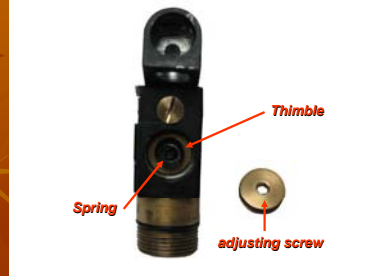
Repair the Launching Compartment

Pressure unit – In case if the pressure is not stable while shooting. (i.e. some shots are too strong or too weak.)

Use hex key to remove the Adjusting Screw



After take out the Adjusting Screw, can see the Spring & Thimble



Use the tools to take out the Spring



After take out the Spring, you can see the Thimble



Use the screw to fix the Thimble



Put the screw driver onto the Valve Cover



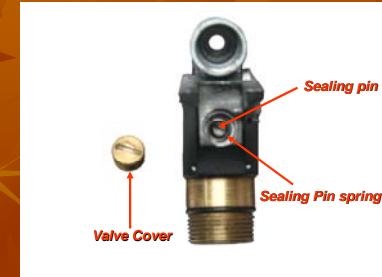
Use the screw driver to remove the Valve Cover (anti-clock wise)



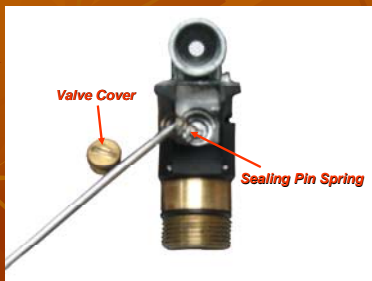
Take out the Valve Cover



After take out the Valve Cover, Can see the Sealing Pin Spring & Sealing Pin



Take out the Sealing Pin Spring



After take out the Sealing Pin Spring, can see the Sealing Pin



Use the screw driver to take out the Sealing Pin



After take out the Sealing Pin, can take out the Thimble



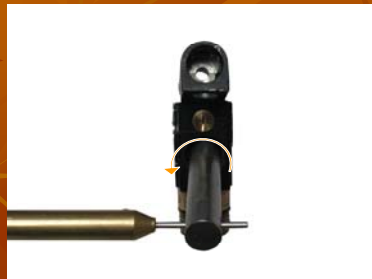
After take out the Thimble, can see the Valve Cover



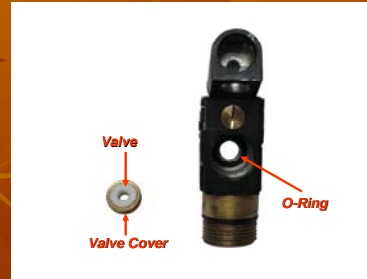
Use the tools to remove the Valve Cover



Use the tools to support the tools to remove the Valve Cover



After take out the Valve Cover, can see the Valve & O-Ring



Use the tools to take out the O-Ring



- After finish the maintenance of the pressure unit, should check the pressure using pressure gauge. The needle of the pressure gauge should be pointed at 4.5MPa. When pressure gauge shows that the needle is not keeping at the proper position and still rising, use a specific hex key to adjust the pressure higher (clockwise) or lower (anti-clockwise).
- Install the pressure gauge onto the gas chamber unit. Disassemble all parts in the launching unit except the O-ring stayed behind at the gas chamber.

End of Maintenance Procedures

- Assemble all parts and units
- Apply few drops of lubricant oil into the marker core if necessary.

End of the maintenance instruction manual

For any questions, please contact:

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